Performance Data Sheet

AVA2512ZXN

General Information

Model	AVA2512ZXN	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	6290	6060	5250	4090	2840	1760	1110
	Watts	1820	1720	1610	1490	1360	1230	1110
	Amps	10.6	10.3	9.95	9.58	9.19	8.76	8.30
	Lb/h	99.3	109	103	87.1	67.0	47.9	35.1
-35	Btu/h	8190	7810	6840	5520	4110	2870	2040
	Watts	2090	2000	1890	1770	1650	1530	1410
	Amps	11.8	11.5	11.1	10.7	10.3	9.83	9.31
	Lb/h	134	142	135	118	97.3	77.4	64.0
-30	Btu/h	10300	9750	8590	7080	5480	4040	3010
	Watts	2370	2290	2190	2080	1970	1850	1740
	Amps	13.0	12.7	12.4	11.9	11.5	11.0	10.4
	Lb/h	171	178	170	152	130	109	94.9
-25	Btu/h	12700	11900	10500	8790	6970	5300	4050
	Watts	2670	2590	2510	2410	2300	2190	2090
	Amps	14.2	13.9	13.6	13.2	12.8	12.3	11.7
	Lb/h	212	217	208	189	166	144	129
-20	Btu/h	15300	14300	12700	10700	8620	6690	5180
	Watts	2960	2900	2830	2740	2640	2550	2460
	Amps	15.3	15.1	14.8	14.5	14.1	13.6	13.1
	Lb/h	257	261	250	230	206	183	167
-15	Btu/h	18300	17000	15100	12800	10500	8240	6440
	Watts	3250	3210	3150	3070	3000	2920	2840
	Amps	16.3	16.2	16.0	15.8	15.5	15.1	14.6
	Lb/h	308	310	298	276	250	226	209
-10	Btu/h	21600	20000	17800	15200	12500	9970	7850
	Watts	3540	3510	3470	3410	3350	3290	3230
	Amps	17.2	17.3	17.2	17.1	16.9	16.6	16.2
	Lb/h	365	365	351	328	301	275	257
-5	Btu/h	25300	23300	20800	17800	14800	11900	9440
	Watts	3810	3800	3780	3740	3700	3660	3620
	Amps	18.1	18.3	18.4	18.4	18.4	18.2	17.9
	Lb/h	428	427	411	387	358	331	311

0	Btu/h	29300	27000	24100	20800	17400	14100	11200
	Watts	4070	4080	4080	4070	4040	4020	4000
	Amps	18.9	19.3	19.6	19.8	19.9	19.9	19.8
	Lb/h	500	497	479	453	423	394	373
5	Btu/h	33800	31100	27800	24100	20200	16600	13300
	Watts	4300	4340	4360	4370	4370	4380	4380
	Amps	19.6	20.2	20.7	21.1	21.4	21.6	21.6
	Lb/h	581	575	556	528	496	466	443
10	Btu/h	38800	35600	31900	27700	23500	19300	15600
	Watts	4510	4580	4620	4660	4690	4710	4750
	Amps	20.2	21.1	21.8	22.5	23.0	23.4	23.6
	Lb/h	671	664	642	612	578	546	522

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-4.631501E+03	2.619827E+03	1.278484E+01	-6.423193E+02
C2	1.456931E+03	1.075568E+01	-2.452321E-01	1.905807E+01
C3	1.314138E+03	3.963751E+01	1.068401E-01	3.373154E+01
C4	1.350471E+01	-8.102012E-01	-6.540010E-03	1.918248E-01
C5	-7.321105E+00	4.962210E-01	5.664022E-03	-5.635500E-02
C6	-1.450485E+01	-3.449299E-01	-3.381794E-04	-3.151558E-01
C7	3.978362E-02	-6.639943E-03	-9.213214E-06	1.157949E-03
C8	-6.163316E-02	4.614684E-03	5.915011E-05	-2.024217E-04
C9	-2.402883E-03	-1.942111E-04	-9.036941E-06	1.005305E-04
C10	4.234471E-02	9.460194E-04	-4.963538E-07	9.001984E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature